

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BP106014	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/FI 2003/000573	International filing date (<i>day/month/year</i>) 18 July 2003	(Earliest) Priority Date (<i>day/month/year</i>) 19 June 2003
Applicant Nokia Corporation et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 5a

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000573

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04B 7/185

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04B, H04Q, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9912227 A2 (NOKIA TELECOMMUNICATIONS OY), 11 March 1999 (11.03.1999), page 3, line 2 - line 24; page 4, line 30 - page 7, line 21 --	1-39
Y	WO 9948312 A1 (NOKIA MOBILE PHONES LIMITED), 23 Sept 1999 (23.09.1999), page 6, line 10 - page 7, line 14; page 11, line 1 - line 14; page 23, line 17 - line 30, claims 1,8 --	1-39
A	EP 1096699 A2 (NOKIA CORPORATION), 2 May 2001 (02.05.2001), see paragraphs [0020]-[0021] --	1-39

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

9 February 2004

Date of mailing of the international search report

19 -02- 2004

Name and mailing address of the ISA/

Swedish Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000573

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Briso C. et al "An automated emulator of mobile satellite link"</p> <p>27th European Microwave 97 Conference and Exhibition. Bridging the Gap Between Industrial and Academia. Conference Proceedings (IEEE Cat. No.97TH8317), Proceedings of 27th Microwave Conference, Jerusalem, Israel, 8-12 Sept. 1997 1997, Tel Aviv, Israel, ORTRA, Israel</p> <p>Page(s): 279-284 vol. 1, AN: 5869834</p> <p>see abstract</p> <p style="text-align: center;">--</p>	1-39
P,A	<p>US 2003194987 A1 (GANESH PATTABIRAMAN),</p> <p>16 October 2003 (16.10.2003), see paragraphs (0047)-[0057]</p> <p style="text-align: center;">--</p>	1-39
A	<p>US 2002183054 A1 (YORAM RIMONI ET AL),</p> <p>5 December 2002 (05.12.2002), figure 1, abstract, see paragraphs [0011]-[0014]</p> <p style="text-align: center;">--</p> <p style="text-align: center;">-----</p>	1-39

INTERNATIONAL SEARCH REPORT

Information on patent family members

24/12/2003

International application No.

PCT/FI 2003/000573

WO	9912227	A2	11/03/1999	AU	8982798	A	22/03/1999
				EP	1012901	A	28/06/2000
				FI	105764	B	00/00/0000
				FI	973595	A	04/03/1999
				TW	405317	B	00/00/0000
				US	6603967	B	05/08/2003
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WO	9948312	A1	23/09/1999	AU	2849299	A	11/10/1999
				AU	2950299	A	11/10/1999
				CN	1301468	T	27/06/2001
				EP	1062823	A	27/12/2000
				EP	1064805	A	03/01/2001
				FI	106174	B	00/00/0000
				FI	107979	B	00/00/0000
				FI	980623	A	20/09/1999
				FI	981995	A	19/09/1999
				JP	2002507870	T	12/03/2002
				WO	9948315	A	23/09/1999
				AU	2839199	A	11/10/1999
				CN	1293876	T	02/05/2001
				EP	1064804	A	03/01/2001
				GB	2336069	A	06/10/1999
				GB	9805736	D	00/00/0000
				GB	9805843	D	00/00/0000
				JP	2002507869	T	12/03/2002
				WO	9948311	A	23/09/1999
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EP	1096699	A2	02/05/2001	FI	992331	A	29/04/2001
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US	2003194987	A1	16/10/2003	WO	03090418	A	30/10/2003
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US	2002183054	A1	05/12/2002	WO	02082670	A	17/10/2002
				US	6580746	B	17/06/2003
				US	2003012257	A	16/01/2003
				US	2003193992	A	16/10/2003
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